

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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REMARKS

2 These remarks follow the order of the paragraphs of the office action. Relevant portions of the
3 office action are shown indented and italicized.

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DETAILED ACTION

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Information Disclosure Statement

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1. *The information disclosure statement (IDS) submitted on 08/01/03 has been considered by the examiner and made of record in the application file*

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Priority

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2. *Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file. An application in which the benefits of an earlier application are desired must contain a specific reference to the prior application(s) in the first sentence(s) of the specification or in an application data sheet by identifying the prior application by application number (37 CFR 1.78(a)(2) and (a)(5)). If the prior application is a non-provisional application, the specific reference must also include The relationship (i.e., continuation, divisional, or continuation-in-part) between the applications except when the reference is to a prior application of CPA assigned the same application number*

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In response, applicants respectfully state their appreciation for the consideration of the IDS documents and the acknowledgment of priority.

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Claim Objections

3. *Claims 13 14 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claims 1-7 such as dependent on claim 3. See MPEP § 806.01(n). Accordingly, the claims 13, 14 not been further treated on the merits.*

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In response, applicants respectfully state that claim 13 is corrected to show that it depends only on claim 1.

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Claim Rejections - 35 USC § 112

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4. *Claims 24-27 are rejected under 35 U.S.C. 112, second paragraph, as being Indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. As to claims 24-47, the limitations of the claims recited on the program coding software in which depends on claims 1 or 21 or 23 that describing the claims of the system.*

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1 In response, applicants respectfully state that claims 24-27 are amended to overcome the 35
2 U.S.C. 112 rejections. Claims 24, 26 and 27 are dependent claims and claim 25 is an
3 independent claim. Thus, claims 24-27 are definite and particularly point out and distinctly
4 claim the subject matter which applicant regards as the invention and are allowable.

Claim Rejections 35 USC § 102

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6 *The following is a quotation of the appropriate paragraphs of 36 USC. 102 that form the*
7 *basis for the rejections under the section made in this Office action:*

8 *A person shall be entitled to patent unless - (e) the invention was described in (1)*
9 *an application for patent, published under section 122(0), by another filed in the United*
10 *States before the invention by the applicant for patent or (2) a patent granted on an*
11 *application for patent by another filed the United States before the invention by the*
12 *applicant for patent, except that an International application filed under the treaty*
13 *defined in section 551(a) shall have the effects for purposes of this subsection of an*
14 *application filed In the United States only if the international application designated the*
15 *United States and was published under Article 21(2) of such treaty in the English*
16 *language*

17 5. Claims 1,2,5,7,8,11,15-19,21-23 are rejected under 35 U.S.C. 102(e) as being
18 anticipated by Mousseau (US 2002/0194815)

19 *As to claim 1, Mousseau teaches an environment aware message delivery system (figure 6*
20 *and paragraph 0020), comprising: a portable message redirection agent carried by a*
21 *user (214B); and a message delivery service manager (202) for managing candidate*
22 *message terminals to provide message delivery services for the user, wherein when the*
23 *user moving over to a piece said message redirection agent cooperates with said message*
24 *delivery service manager located in the environment around the user to select a message*
25 *terminal from candidate message terminals in the environment ms a target message*
26 *terminal, and request a message redirection entity to redirect the message addressed to*
27 *the user to the target message terminal.*

28 In response, applicants respectfully state that the present invention provides an environment
29 aware message delivery system and method. The system and method provide a capability of
30 automatic message delivery services based on a users' environment. According to the present
31 invention, a message redirection agent cooperates with a message delivery service manager
32 located in the environment around the user, to discover the message services available in the
33 environment and to set message forwarding options automatically in the background without a
34 user's operation. Also, according to the present invention, an environment aware message
35 delivery system is provided to deliver message automatically for users. This is what claims

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1 1.2.5.7,811.15-19.21-23 are claiming, including steps and/or functions not before provided by the
2 referenced art.

3 In contrast, the cited reference Mousseau, filed on December 19, 2002, allegedly provides, "[A]
4 system and method for pushing information from a host system to a mobile data communication
5 device upon sensing a triggering event is disclosed. A redirector program operating at the host
6 system enables a user to continuously redirect certain user-selected data items from the host
7 system to the user's mobile data communication device upon detecting that one or more
8 user-defined triggering events has occurred. The redirector program operates in connection with
9 event generating applications and repackaging systems at the host system to configure and detect
10 a particular user-defined event, and then to repackage the user-selected data items in an
11 electronic wrapper prior to pushing the data items to the mobile device. The system includes
12 attachment processing components for identifying one or more attachment displayers in the
13 vicinity of the mobile data communication device and then routing an attachment from the host
14 system directly to a selected attachment displayer." Thus Mousseau is concerned with, and
15 directed to, a system and method for pushing information from a host system to a mobile data
16 communication device upon sensing a triggering event is disclosed.

17 Claim 1 includes, "a message delivery service manager for managing candidate message
18 terminals to provide message delivery services for the user, wherein when the user moving over
19 to a place, said message redirection agent cooperates with said message delivery service manager
20 located in the environment around the user to select a message terminal from candidate message
21 terminals in the environment as a target message terminal, and request a message redirection
22 entity to redirect the message addressed to the user to the target message terminal." *Mousseau*
23 doesn't manage message candidate message terminals, nor select a message terminal from
24 candidate message terminals in the environment as a target message terminal. *Mousseau* doesn't
25 teach, "a request a message redirection entity to redirect the message addressed to the user to the
26 target message terminal." *Mousseau* teaches pushing information from a host system to a mobile
27 data communication device upon sensing a triggering, which is not the elements in claim 1. Thus
28 claim 1 and all claims that depend thereupon are allowable over the cited art.

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1 *As to claim 2, Mousseau teaches a system according to claim 1, wherein said message*
2 *redirection agent cooperates with said message delivery service manager in the*
3 *environment around the user by means of a short range wireless communication*
4 *network (paragraph 0071)*

5 In response, applicants respectfully state that Mousseau [0071] reads:

6 The mobile data communication device 214B is configured to operate on the
7 wireless network 212. In addition, the mobile data communication device 214B is
8 preferably configured to operate on one or more short-range wireless frequencies
9 in order to wirelessly communicate information 215A, 215B between the mobile
10 device 214B and the attachment displays 216. The mobile device 214B and the
11 attachment displays 216 could be Bluetooth.RTM.-enabled devices for
12 communicating at the short-range frequencies associated with the Bluetooth
13 wireless standard. Other short-range wireless standards could also be utilized.
14 The frequencies at which the short-range communication link operate could be RF,
15 microwave, cellular, optical, or Infrared frequencies. The attachment displays
16 216 are used by the mobile device 214B to process the attachment element 200B of
17 the datagram 200, and may be one or more of the following devices: printers, fax
18 machines, telephones, cellular phones, copying machines, video display, or any
19 other type of device capable of processing an attachment.

20 Mousseau does not have a "message redirection agent" of claims 2, which is allowable over the
21 cited art.

22 *As to claim 3, Mousseau teaches a system according to claim 2, wherein said short*
23 *range wireless communication network is Bluetooth wireless communication network*
24 *(paragraph 0071)*

25 *As to claim 5, Mousseu teaches a system according to claim 1, wherein said message*
26 *redirection agent runs in portable pervasive computing devices such as cell phone or*
27 *PDA (2148)*

28 *As to claim 7, Mousseau teaches a system according to claim 1, wherein said message*
29 *redirection entity is PDX (paragraph 0033)*

30 *As to claim 8, Mousseau teaches a system according to claim 1, wherein said message*
31 *redirection agent comprises: a message redirection service discoverer (202E) for*
32 *sending service requests to said message delivery service manager, and receiving service*
33 *information from said message delivery service manager: message redirection manager*
34 *(202A) for maintaining a message redirection service list, configuring message*
35 *redirection policy and selecting the target message terminal; and a message redirection*
36 *requester for requesting message redirection service from the message redirection entity*
37 *(paragraph 0053)*

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1 *As to claim 11, Mousseau teaches a system according of claim 1, wherein said message*
2 *redirection agent comprises a message redirection service discoverer for sending service*
3 *requests to said message delivery service manager (paragraph 0053)*

4 *As to claim 15 Mousseu teaches a system according to claim 1, wherein Said system*
5 *comprises a plurality of message delivery service managers, running In various*
6 *message terminals respectively (paragraph 0080)*

7 *As to claim 16, the limitation of the claim is the same limitation of claim 8; therefore the*
8 *claim is interpreted and rejected as set forth as claim 8*

9 *As to claim 17, Mousseau teaches a system according to claim 16, wherein said*
10 *message delivery service manager comprises a service request handler for authenticating*
11 *the message redirection agent and sending service Information on- demand to the*
12 *message redirection agent (paragraph 0046)*

13 *As to claim 18, Mousseau teaches system according to claim 17, wherein said message*
14 *delivery service manager further comprises a service advertiser for periodically sending*
15 *message redirection service information to nearby message redirection agents (since the*
16 *system connects to the web which is periodically received the advertise from the web)*

17 *As to claim 19, the limitation of the claim is the same limitation of claims; therefore the*
18 *claim Is Interpreted and rejected as set forth as claim 8*

19 *Application/Control Number: 10/633,239 Page 6 Art Unit: 2683 As to claim 21, the*
20 *claim is a method claim of claim 1; therefore the claim is interpreted and rejected as set*
21 *forth as claim 1*

22 *As to claim 22, the claim is an apparatus claim of claim 1; therefore the claim is*
23 *interpreted and rejected as set forth as claim 1*

24 *As to claim 23, Mousseau teaches a message delivery service manager (figure 6, 202).*
25 *characterized by: when a user moves over to a place, said message delivery service*
26 *manager in the environment around the user cooperating with a portable message*
27 *redirection agent carried by the user, selects a message terminal from the candidate*
28 *message terminals In the environment as a target message terminal and requests a*
29 *message redirection entity to redirect the message addressed to the user to the target*
30 *message terminal,*

31 In response, applicants respectfully state that Mousseau does not teach the invention in claim 1,
32 thus Mousseau does not teach any of the claims that depend on claim 1, nor the particular
33 elements in these claims, some of which serve for claim differentiation. Thus, claims 1, 2, 5, 7,
34 8, 11, 15-19, and 21-23 are allowable over the cited art.

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Claim Rejections 35 USC § 103

*The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though The invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains
Patentability shall not be negated by the manner in which the invention was made*

6. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mousseau in view of Zhu (US 2003/0134596)

As to claim 4. Mousseau teaches a system according to claim 1, Mousseau fails to teach said message redirection agent cooperates with said message delivery service manager in the environment around the user by means of a USB interface. Zhu teaches the message redirection agent cooperates with said message delivery service manager in the environment around the user by means of a USB interface (paragraph 010). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Zhu into the system of Mousseau in order to transmit and receive the data for the system

In response, applicants respectfully state that Mousseau does not teach the invention in claim 1, thus Mousseau does not teach any of the claims that depend on claim 1, nor the particular elements claim 4. Thus, claim 4 is allowable over the cited art.

Furthermore, applicants respectfully state that there is no apparent reason to combine Zhu with Mousseau except for hindsight to try to form the elements claimed. This is not allowed. Since, Mousseau does not teach the invention in claim 1, thus Mousseau does not teach any of the claims that depend on claim 1, nor the particular elements in these claims, some of which serve for claim differentiation. Thus, claim 4 is allowable over the cited art.

7. Claim 6 is rejected under 35 USC. 103(p) as being unpatentable Over Mousseau in view of Logan (US 2005/0054290)

As to claim 6, Mousseau teaches a system according to claim 1. Mousseau fails to teach said message redirection agent runs in Blue badges. Logan teaches the message redirection agent runs in Blue badges (paragraph 0058). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Logan into the system of Mousseau in order to local certain users who carry the blue badge

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1 In response, applicants respectfully state that Mousseau does not teach the invention in claim 1,
2 thus Mousseau does not teach any of the claims that depend on claim 1, nor the particular
3 elements claim 4. Thus, claim 4 is allowable over the cited art.

4 Also Logan, filed Date: July 17, 2003, is for, "[The] invention introduced in this patent
5 application introduces a new Bluetooth Access Point, which applies the "sector idea" to its pico
6 cell network and divides a pico cell into four (4) (but not limited to 4) pico sector of 90 degree.
7 The access point thus implemented is denoted as Sectored Access Point. The Sectored Access
8 Point utilizes only ONE microprocessor to communicate with four Bluetooth modules via either
9 an embedded USB host controller with four ports to drive respective Bluetooth modules or
10 UART interface with also ports to interface with respective Bluetooth modules. Each Bluetooth
11 radio module acts as a master in its respective pico sector and takes care of up to seven (7)
12 simultaneous Bluetooth enabled devices (called slaves in this cell). Therefore, the Access Point
13 in this case can provide 28 users to access Internet at the same time, which is fourfold of any
14 commercially available Bluetooth Access Point. The Sectored Access Point costs almost the
15 same as normal access point, except 3 more Bluetooth radio modules and antennas, which
16 contribute only about 10.about.20% of extra cost, but increase the capacity by four times."

17 Furthermore, applicants respectfully state that there is no apparent reason to combine Logan with
18 Mousseau except for hindsight to try to form the elements claimed. This is not allowed. Since,
19 Mousseau does not teach the invention in claim 1, thus Mousseau does not teach any of the
20 claims that depend on claim 1, nor the particular elements in these claims, some of which serve
21 for claim differentiation. Thus, claim 6 is allowable over the cited art

22 *Allowable Subject Matter*

23 *Claims 9 10 12 and 20 are objected tons being dependent upon rejected base claim, but*
24 *would be allowable if rewritten in independent form including all of the limitations of the*
25 *base claim and any intervening claims.*

26 *As to claims 9, 10, 12 and 20, the combination of above prior arts either alone or in*
27 *combination fails to teach the message delivery service manager comprises a service*
28 *request handler for authenticating the message redirection agent and sending service*
29 *information on-demand to the message redirection agent, service availability detector for*

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1 *checking the status of the candidate message terminals in the environment and updating*
2 *the message delivery service list according to the checking result and a message*
3 *delivery service configurator for configuring the available message delivery services,*
4 *such as authorizing who can access these services*

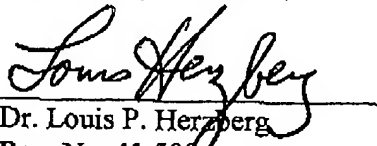
5 In response, applicants respectfully state that claim 8 is made to be a independent claim
6 incorporating claims 1 and 9. Claim 9 is canceled. Claims 10, 12 and 20 are amended to
7 overcome the objections. Thus claims 9, 10, 12 and 20 are allowed.

8 It is anticipated that this amendment brings the application to allowance of claims 1-8, 10-27.
9 Favorable action is respectfully solicited.

10 Please charge any fee necessary to enter this paper to deposit account 50-0510.

11 Respectfully submitted,

12 By:


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17 CUSTOMER NUMBER:54856

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